

Supplementary Materials

Electrospinning Mo-doped carbon nanofibers as an anode to simultaneously boost bioelectrocatalysis and extracellular electron transfer in Microbial fuel cells

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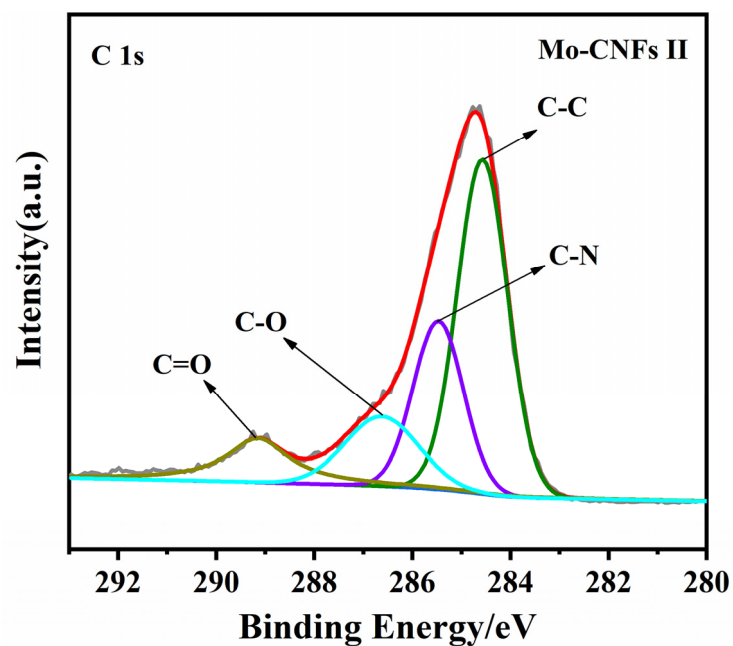


Figure S1. High-resolution C1s XPS spectrum of Mo-CNFs II.

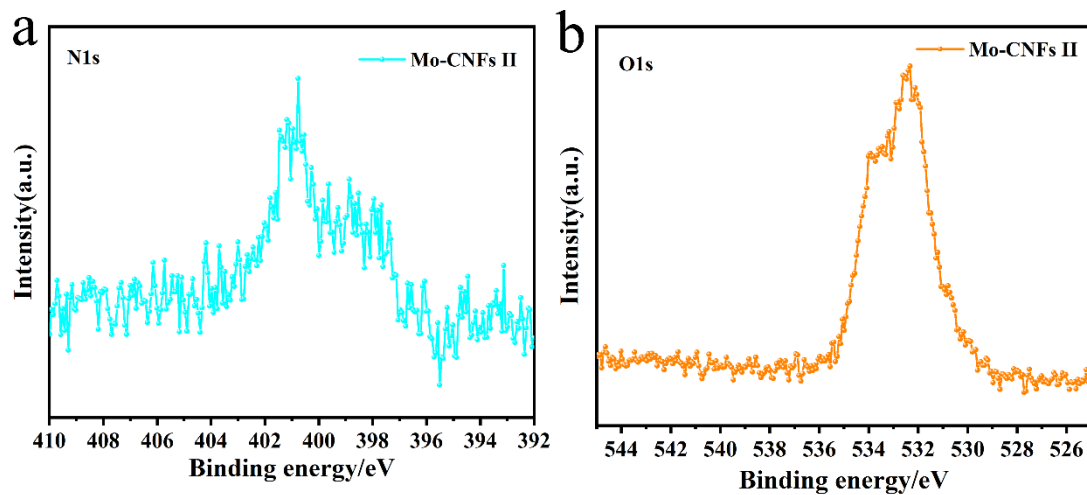


Figure S2. High-resolution N 1s (a) and O 1s (b) XPS spectrum of Mo-CNFs II.

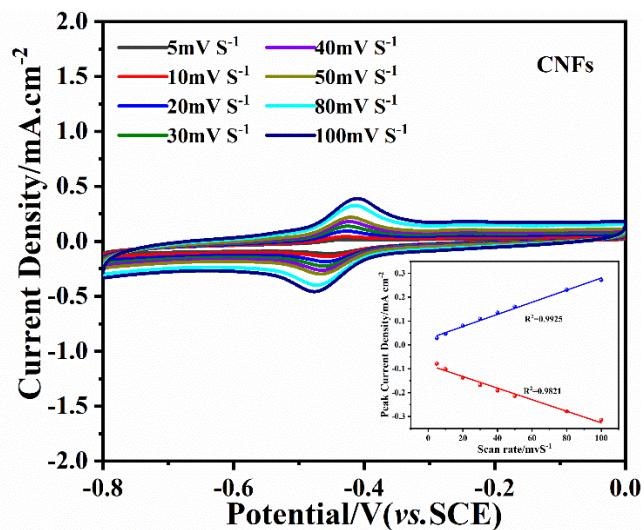


Figure S3. CV curves and Peak current density at different scan rate of the CNFs electrode.

Table S1. A table to compare the performance of the anode materials prepared by this work with previously reported anode materials.

Anode materials	Reactor configuration	Substrate	Source of inoculation	Performance Pmax (mW m ⁻²)	Reference
Mo-CNFs II	Dual chamber	M9 + Lactate	<i>S.putrefaciens</i> CN32	1287.38 mW m ⁻²	This work
Fe@CNFs-20	Dual chamber	M9 + Lactate	<i>S.putrefaciens</i> CN32	731.05 mW m ⁻²	[1]
CNTs/CNFs	Dual chamber	artificial wastewater + PBS	mixed bacteria	362 ± 20 mW m ⁻²	[2]
GL-MoS ₂ /CC	Dual chamber	PBS + sodium acetate	mixed bacteria	960.4mW m ⁻²	[3]

Mo ₂ C@CF	Dual chamber	Lactate	<i>S.putrefaciens</i> CN32	1052mW m ⁻²	[4]
Mo ₂ C/CCT	Single chamber	sodium acetate	mixed bacteria	1120 mW m ⁻²	[5]
MnCo ₂ O ₄ @CF	Dual chamber	sodium lactate	mixed bacteria	945 mW m ⁻²	[6]
PANI-T-900	Dual chamber	Wastewater + acetate	mixed bacteria	40.4 mW m ⁻²	[7]
CNPs/Ti	Single chamber	sodium acetate	mixed bacteria	616 mW m ⁻²	[8]
Mo ₂ C/CNTs	Single chamber	PBBM + glucose	E. coli	1050 ± 26.4 mW m ⁻²	[9]
pristine CC	Dual chamber	M9+sodium lactate	<i>Shewanella oneidensis</i> MR-1	51.5 mW m ⁻²	[10]

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